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THE ROCKEFELLER UNIVERSITY
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OFFICE OF THE PRESIDENT

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Dear Josh:

Thanks for your note of several months ago which called attention to Polya's counting theorems as they might relate to my paper on counting evolutionary trees. I enclose a reprint of my paper. As you will see it does not treat exactly the same case as the chemical examples you have considered.

I probably should have cited Polya's work in my paper, although I did cite Moon's monograph. However I was aware of Polya's work. When I visited Stanford in 1964 you asked me to write a program enumerating the alkanes (as a check on a program written by one of your programmers)! This used Polya's methods.

A more relevant reference which I should have cited would be the book "Graphical Enumeration" by Harary and Palmer (1973). As you will see from my paper the methods I use are rather simple, and may be of some amusement value.

Best regards,

Joe Felsenstein

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